

291 29 HW

p398 15-3/021

Key

15. $y = -\sqrt{5x}$

x	y
0	0
$\frac{1}{5}$	-1
$\frac{4}{5}$	-2
1	-3
5	-5

D: $x \geq 0$

R: $y \leq 0$

17. $y = \frac{1}{2}\sqrt{x}$

x	y
0	0
1	$\frac{1}{2}$
4	1
9	$\frac{3}{2}$

D: $x \geq 0$

R: $y \geq 0$

19. $y = \sqrt{x-7}$

x	y
7	0
11	2
16	3

D: $x \geq 7$ R: $y \geq 0$

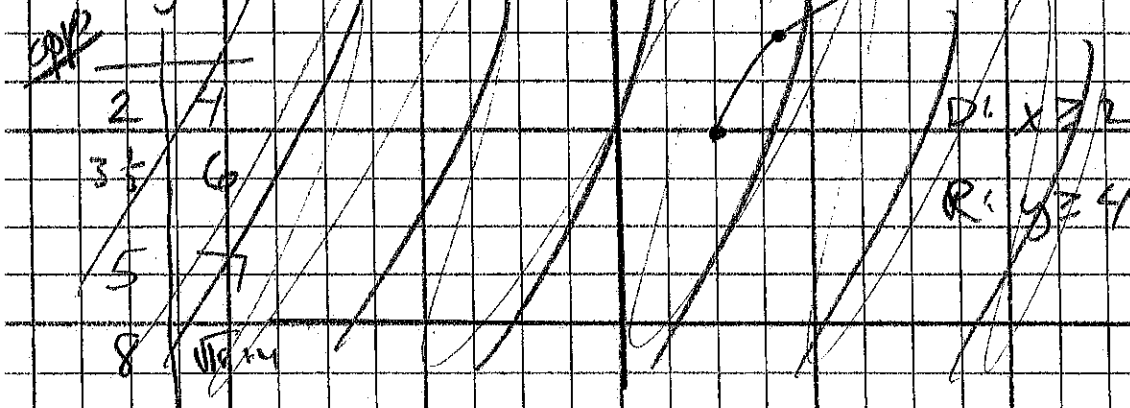
21. $y = \sqrt{5x-3}$

x	y
$\frac{3}{5}$	0
1	$\sqrt{2}$
3	$\sqrt{12}$
8	$\sqrt{37}$

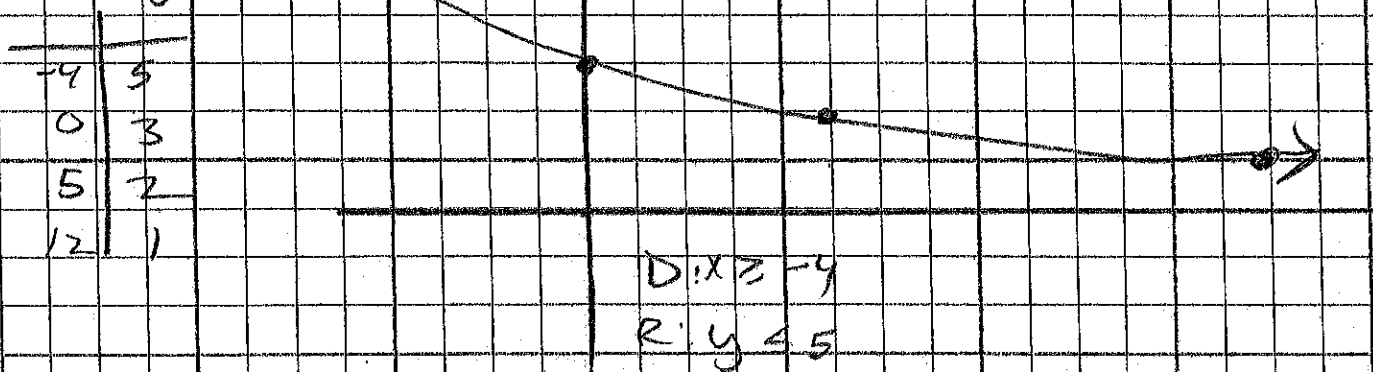
D: $x \geq \frac{3}{5}$

R: $y \geq 0$

24. $y = \sqrt{3x-6} + 4$



23. $y = 5 - \sqrt{x+4}$



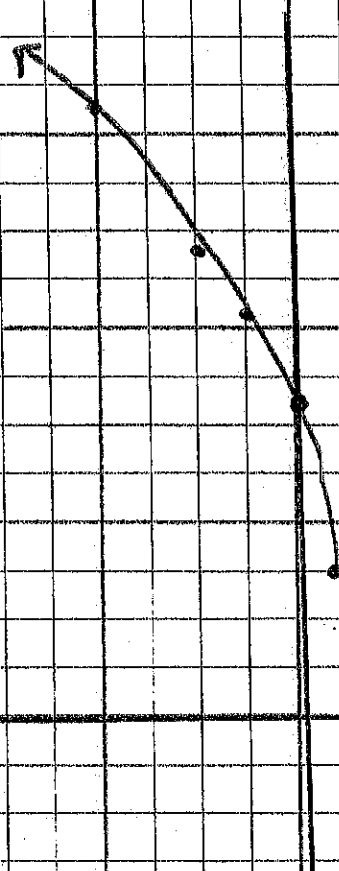
25. $y = 2\sqrt{3-4x} + 3$

$3-4x \geq 0$

$3 \geq 4x$

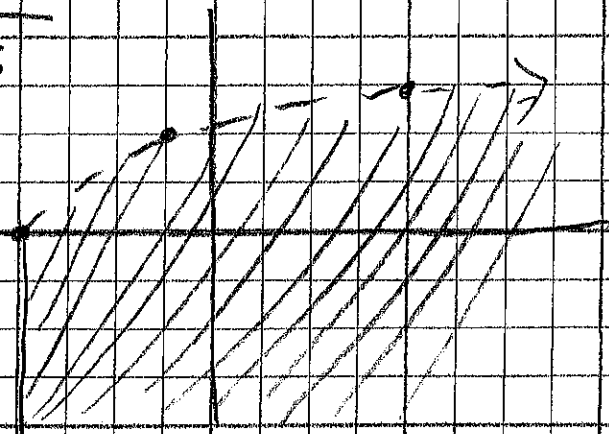
$x \leq \frac{3}{4}$

x	y
$\frac{3}{4}$	3
0	6.4
-1	8.3
-2	9.6
-1.5	12.6



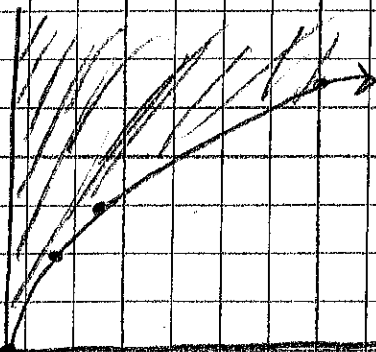
27. $y < \sqrt{x+5}$

-5	0
-1	2
4	3



29. $y \geq \sqrt{5x-8}$

1.2	$\frac{8}{5}$	0
4.4	$\frac{12}{5}$	2
3.4	$\frac{12}{5}$	3
	8	$\sqrt{32-8}$



31. $y < \sqrt{6x-2} + 1$

$x \geq \frac{1}{3}$

$\frac{1}{3}$	1
1	3
$\frac{11}{6}$	4
4.5	6

